

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: P277727

Luminaire Tested: **203-SS-8LED2710-12-CS-DIFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277727
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-36)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED2710-12-CS-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD SILVER, DIFFUSED LENS
Light Source: (1) SORAA 2700K 95 CRI 10° NSP LED SM16-07-10D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

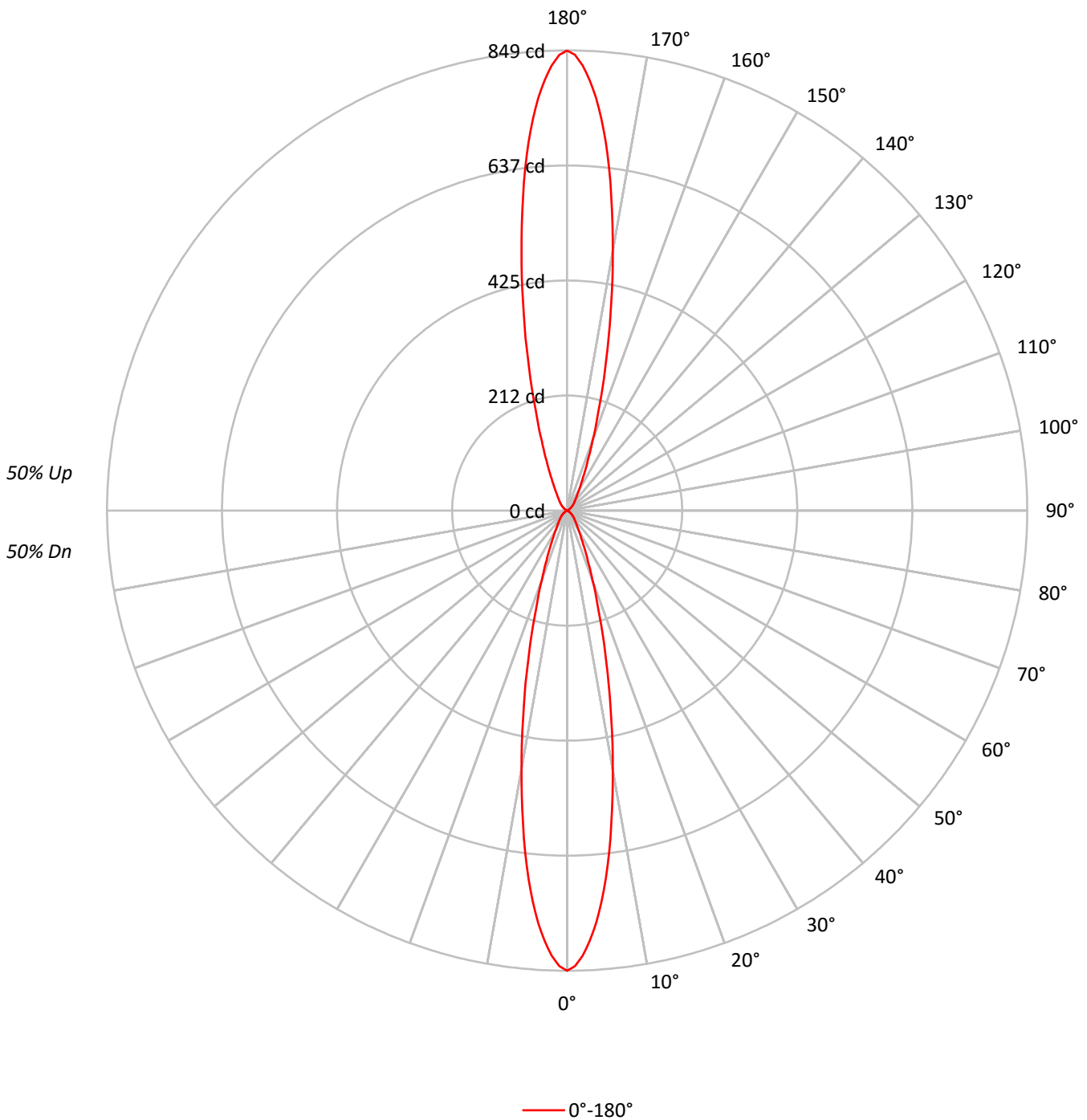
Lumens per Lamp: N/A
Luminaire Lumens: 425.7 lumens
Efficiency: N/A
Efficacy: 28.6 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.4
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 14.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	100	97	94	92	93	90	88	86	77	75	74		65	64	63		54	53	53	47
2	94	89	84	80	87	83	79	75	71	69	66		61	59	58		51	50	49	45
3	88	81	76	71	82	76	71	68	66	63	60		57	55	53		49	48	46	43
4	83	75	69	64	77	70	65	61	62	58	55		54	52	49		47	45	44	41
5	78	69	63	59	73	66	60	56	58	54	51		51	48	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	61	55	50	66	58	52	48	52	48	45		46	43	41		41	39	38	36
8	67	57	51	47	63	54	49	45	49	45	42		44	41	39		40	38	36	34
9	63	54	48	44	60	51	46	43	47	43	40		42	40	37		38	36	35	33
10	61	51	45	42	57	49	44	40	45	41	38		41	38	36		37	35	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	418879
5°	358967
10°	242830
15°	137554
20°	71878
25°	39740
30°	24953
35°	17587
40°	13525
45°	10815
50°	8443
55°	6279
60°	3651
65°	2101
70°	1298
75°	1716
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	14.4
10°-20°	75.8	17.8
20°-30°	35.4	8.3
30°-40°	18.7	4.4
40°-50°	12.2	2.9
50°-60°	6.5	1.5
60°-70°	2.1	0.5
70°-80°	0.8	0.2
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.8	0.2
110°-120°	2.1	0.5
120°-130°	6.5	1.5
130°-140°	12.2	2.9
140°-150°	18.7	4.4
150°-160°	35.4	8.3
160°-170°	75.8	17.8
170°-180°	61.3	14.4
0°-30°	172.5	40.5
0°-40°	191.2	44.9
0°-60°	209.9	49.3
0°-90°	212.8	50.0
90°-120°	2.9	0.7
90°-150°	40.4	9.5
90°-180°	213.0	50.0
0°-180°	425.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	849	
5°	725	61
15°	269	76
25°	73	35
35°	29	19
45°	16	12
55°	7	6
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	7	6
135°	16	12
145°	29	19
155°	73	35
165°	269	76
175°	725	61
180°	849	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	849.0
1°	840.8
2°	821.6
3°	795.1
4°	763.2
5°	724.8
6°	682.8
7°	635.4
8°	585.2
9°	534.0
10°	484.7
12.5°	368.8
15°	269.3
17.5°	191.7
20°	136.9
22.5°	98.6
25°	73.0
27.5°	54.8
30°	43.8
32.5°	34.7
35°	29.2
37.5°	24.6
40°	21.0
42.5°	18.3
45°	15.5
47.5°	13.7
50°	11.0
52.5°	9.1
55°	7.3
57.5°	5.5
60°	3.7
62.5°	2.7
65°	1.8
67.5°	1.8
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0

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CANDELA DISTRIBUTION (continued):

	0°
97.5°	0.0
100°	0.0
102.5°	0.9
105°	0.9
107.5°	0.9
110°	0.9
112.5°	1.8
115°	1.8
117.5°	2.7
120°	3.7
122.5°	5.5
125°	7.3
127.5°	9.1
130°	11.0
132.5°	13.7
135°	15.5
137.5°	18.3
140°	21.0
142.5°	24.6
145°	29.2
147.5°	34.7
150°	43.8
152.5°	54.8
155°	73.0
157.5°	98.6
160°	136.9
162.5°	191.7
165°	269.3
167.5°	368.8
170°	484.7
171°	534.0
172°	585.2
173°	635.4
174°	682.8
175°	724.8
176°	763.2
177°	795.1
178°	821.6
179°	840.8
180°	849.0

(END OF REPORT)